

Appl. No. 09/558,465  
Atty. Docket No. 7546M  
Amdt. dated July 23, 2004  
Reply to Office Action of January 26, 2004  
Customer No. 27752

### CLAIMS

#### WHAT IS CLAIMED IS:

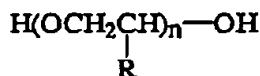
1. (Previously presented) A shampoo composition comprising:
  - a) from about 5% to about 50%, by weight, of an anionic surfactant;
  - b) from about 0.01% to about 10%, by weight, of a non-volatile conditioning agent;
  - c) from about 0.1% to about 4%, by weight, of an anti-dandruff particulate;
  - d) from about 0.02% to about 5%, by weight, of a cationic polymer;
  - e) water;
  - f) from about 0.1% to about 10%, by weight of the composition, of a suspending agent;
- wherein said composition:
  - i. has a bioavailability/coverage Index value, of at least about 1.25;
  - ii. has a first conditioning index value, of less than or equal to about 1.0;
  - iii. has a second conditioning index value, of at least about 1.5; and
  - iv. has a minimal inhibitory concentration index value, of at least about 0.125.
2. (Original) A shampoo composition according to Claim 1, wherein said composition has a bioavailability/coverage index value of at least about 1.5.
3. (Original) A shampoo composition according to Claim 2, wherein said composition has a bioavailability/coverage index value of at least about 2.0.
4. (Original) A shampoo composition according to Claim 1, wherein said composition has a first conditioning index value of less than or equal to about 0.96.
5. (Original) A shampoo composition according to Claim 4, wherein said composition has a first conditioning index value of less than or equal to about 0.91.
6. (Original) A shampoo composition according to Claim 1, wherein said composition has a second conditioning index value of at least about 1.75.
7. (Original) A shampoo composition according to Claim 6, wherein said composition has a second conditioning index value of at least about 2.50.

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8. (Original) A shampoo composition according to Claim 1, wherein said composition has a minimal inhibitory concentration index value of at least about 0.25.
9. (Original) A shampoo composition according to Claim 8, wherein said composition has a minimal inhibitory concentration index value of at least about 0.50.
10. (Canceled)
11. (Previously presented) A shampoo composition according to Claim 1, wherein said suspending agent is ethylene glycol distearate.
12. (Previously presented) A shampoo composition according to Claim 1, wherein said non-volatile conditioning agent is a silicone.
13. (Previously presented) A shampoo composition according to Claim 1, wherein said anti-dandruff particulate is a zinc salt of 1-hydroxy-2-pyridinethione.
14. (Previously presented) A shampoo composition according to Claim 1, wherein said anti-dandruff particulate is ketoconazole.
15. (Previously presented) A shampoo composition according to Claim 1, wherein said anti-dandruff particulate has an average particle size of about 2.5 $\mu$ m.
16. (Previously presented) A shampoo composition according to Claim 1, comprising from about 0.3% to about 2% of said anti-dandruff particulate.
17. (Original) A shampoo composition according to Claim 13, wherein said zinc salt of 1-hydroxy-2-pyridinethione is in platelet particle form.
18. (Original) A shampoo composition according to Claim 1, comprising from about 0.1% to about 1% of said cationic polymer.

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19. (Original) A shampoo composition according to Claim 1, wherein said cationic polymer is selected from the group consisting of guar derivatives, cellulose derivatives, and mixtures thereof.
20. (Original) A shampoo composition according to Claim 19, wherein at least one of said guar derivatives is guar hydroxypropyltrimonium chloride.
21. (Original) A shampoo composition according to Claim 19, wherein said guar derivatives have a molecular weight from about 50,000 to about 2,500,000.
22. (Original) A shampoo composition according to Claim 21, wherein said guar derivatives have a molecular weight from about 50,000 to about 700,000.
23. (Original) A shampoo composition according to Claim 19, wherein said guar derivatives have a charge density from about 0.1 meq/g to about 0.9 meq/g.
24. (Original) A shampoo composition according to Claim 19, wherein at least one of said cellulose derivatives is polyquaternium-10.
25. (Original) A shampoo composition according to Claim 19, wherein said cellulose derivatives have a charge density from about 0.1 meq/g to about 1.0 meq/g, and a molecular weight from about 250,000 to about 850,000.
26. (Original) A shampoo composition according to Claim 25, wherein said cellulose derivatives have a charge density from about 0.2 meq/g to about 0.6 meq/g, and a molecular weight from about 350,000 to about 500,000.
27. (Original) A shampoo composition according to Claim 1, wherein said composition further comprises from about 0.005% to about 1.5%, by weight of the composition, of a polyalkylene glycol corresponding to the formula:



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- a) wherein R is selected from the group consisting of hydrogen, methyl and mixtures thereof, and
  - b) wherein n is an integer having an average value from about 1,500 to about 120,000.
28. (Original) A shampoo composition according to Claim 27, wherein said polyalkylene glycol has an average value of n from about 3,500 to about 15,000.
29. (Original) A shampoo composition according to Claim 27, comprising from about 0.05% to about 1.0%, by weight of the composition, of said polyalkylene glycol.
30. (Original) A shampoo composition comprising:
- a) from about 10% to about 25%, by weight, of an anionic surfactant;
  - b) from about 0.01% to about 5%, by weight of the composition, of an insoluble, non-volatile silicone conditioning agent;
  - c) from about 0.3% to about 2%, by weight of the composition, of a zinc salt of 1-hydroxy-2-pyridinethione;
  - d) from about 0.1% to about 1.0%, by weight of the composition, of a cationic polymer;
  - e) water;
- wherein said composition:
- i. has a bioavailability/coverage index value, as defined herein, of at least about 1.5;
  - ii. has a first conditioning index value, as defined herein, of less than or equal to about 0.96;
  - iii. has a second conditioning index value, as defined herein, of at least about 1.5; and
  - iv. has a minimal inhibitory concentration index value, as defined herein, of at least about 0.25.
31. (Original) A method for providing anti-dandruff efficacy and for conditioning hair comprising:
- a) wetting said hair with water;

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- b) applying to said hair an effective amount of a shampoo composition according to Claim 1; and
  - c) rinsing said shampoo composition from said hair using water.
32. (Original) A shampoo composition according to Claim 13, further comprising from about 0.001% to about 15% of a hair growth regulating agent selected from the group consisting of zinc salts of carboxylic acids, saponins, triterpenes, oleanolic acid, ursolic acid, betulinic acid, betulonic acid, crataegolic acid, celastrol, asiatic acid, inhibitors of 5- $\alpha$ -reductase, progesterone, 1,4-methyl-4-azasteroids, 17- $\beta$ -N,N-diethylcarbamoyl-4-methyl-4-aza-5- $\alpha$ -androstane-3-one, androgen receptor antagonists, cyproterone acetate, minoxidil, azelaic acid and derivatives thereof, cyclosporin, triiodothyronine, diazoxide, potassium channel openers, cromakalim, phenytoin, ketoconazole, finasteride, dutasteride, coal tar, zinc gluconate, glucocorticoids, macrolides, aminexil, and mixtures thereof.
33. (Original) A method for regulating the growth of the hair comprising:
- a) wetting said hair with water;
  - b) applying to said hair an effective amount, of a shampoo composition according to Claim 13;
  - c) rinsing said shampoo composition from said hair using water.
34. (Original) A method for regulating the growth of the hair comprising:
- a) wetting said hair with water;
  - b) applying to said hair an effective amount, of a shampoo composition according to Claim 32;
  - c) rinsing said shampoo composition from said hair using water.